Technical data

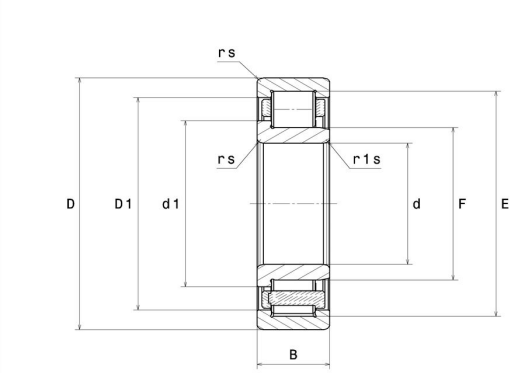
NJ2318EG1C3

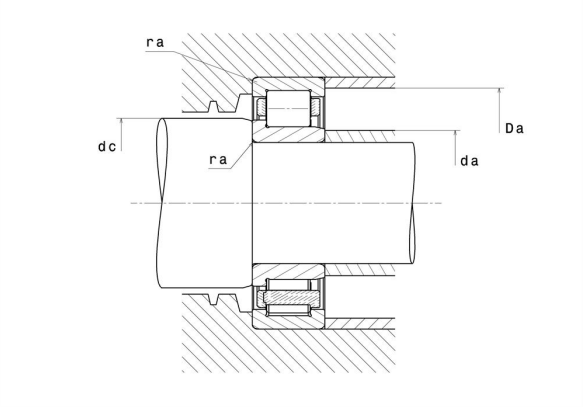
Single row cylindrical roller bearings



Single row cylindrical roller bearing, single direction for axial loads, separable, brass cage.

Visual(s)





Product definition

d	90 mm
D	190 mm
B	64 mm
E	169.5 mm
F	113.5 mm
d1	124.7 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	C3
Mass (without HJ ring)	8.74 kg
Brand	NTN

Product performance

Dynamic load, C	435 kN
Static load, C0	535 kN
Fatigue limit load, Cu	59 kN
Nlim (oil)	3,400 Tr/min
Nlim (grease)	2,900 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.86 Hz
Characteristic outer ring frequency, BPF0	5.21 Hz
Characteristic inner ring frequency, BPFI	7.79 Hz

Abutment dimensions

da min	103 mm
da max	111 mm
dc min	127 mm
Da max	177 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$